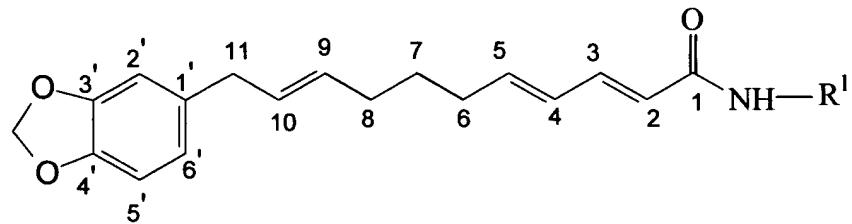


LISTING OF CLAIMS

1. (Cancelled)
2. (Cancelled)
3. (Currently Amended) An essentially pure compound having the following structure of Formula II:



wherein R¹ is t-butyl group [-CH₂-CH(CH₃)₂] isobutyl (-CH₂-CH(CH₃)₂).

4. (Currently Amended) A pharmaceutical composition comprising [[an]] a therapeutically effective amount of the essentially pure compound as claimed in claim 1 claim 3 together with at least one pharmaceutically acceptable excipient.
5. (Currently Amended) The pharmaceutical composition of claim 4,
wherein the composition is in oral form.
6. (Currently Amended) The pharmaceutical composition of claim 4,
wherein the composition is in intravenous form.

7. (Currently Amended) The pharmaceutical composition of claim 4, wherein the composition is in subcutaneous form.

8. (Currently Amended) The pharmaceutical composition of claim 4, wherein the composition is in intramuscular form.

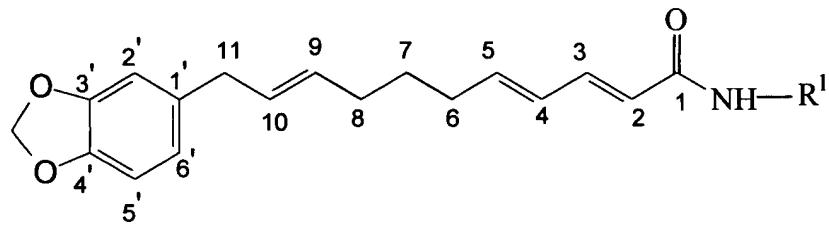
9. (Currently Amended) The pharmaceutical composition of claim 4, wherein the composition is in inhalation form.

10. (Canceled)

11. (Currently Amended) The chemically modified compound according to ~~claim 10~~ pharmaceutical composition of claim 4, wherein said composition is chemically modified as a therapeutically effective compound is a salt.

12. (Canceled)

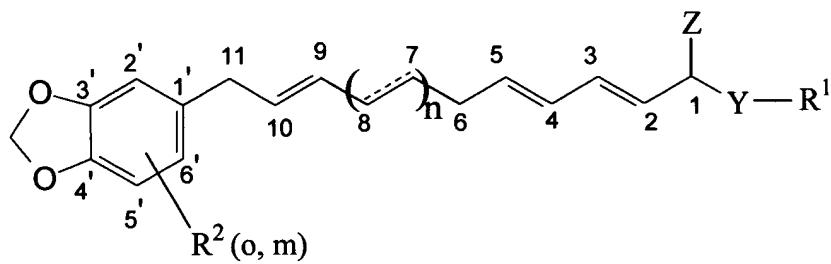
13. (Currently Amended) A method of obtaining a compound as claimed in ~~claim 1~~ an essentially pure compound of Formula II:



wherein R¹ is isobutyl (-CH₂-CH(CH₃)₂), comprising extracting and purifying the compound from Piper laetisicum of Piperaceae family.

14. (Currently Amended) A method of treating a disease characterized as mental disorder, comprising administering to a patient suffering from said disease with a therapeutically effective amount of an essentially pure compound of

Formula I:



wherein R^1 is selected from the group consisting of hydrogen, C₁₋₁₀ alkyl and aromatic cyclic group, R^2 is selected from the group consisting of hydrogen, OR³, NH₂, NHR³, and halogen,

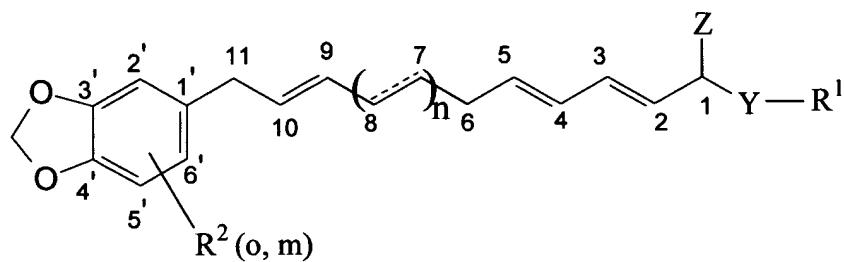
Z is selected from the group consisting of =O, OH, NHR³, SH, and SR³, wherein R^3 is C₁₋₁₀ alkyl or aromatic cyclic group. (C_{7-C₈})_n includes at least one single bond or at least one double bond, n is an integer having a value of 0 to 10, and Y is selected from the group consisting of NH, NR³-, O, and S. with said disease an effective amount of a compound as claimed in claim 1.

15. (Original) The method of claim 14, wherein the disease is depression.

16. (Original) The method of claim 14, wherein the disease is psychopathic disease.

17. (Original) The method of claim 14, wherein the disease is Alzheimer's disease.

18. (Currently Amended) A method of alleviating a symptom characterized as inflammation and pain, comprising administering to a subject suffering from said symptom with a therapeutically effective amount of an essentially pure compound of Formula I:



wherein R¹ is selected from the group consisting of hydrogen, C₁₋₁₀ alkyl and aromatic cyclic group, R² is selected from the group consisting of hydrogen, OR³, NH₂, NHR³, and halogen,

Z is selected from the group consisting of =O, OH, NHR³, SH, and SR³, wherein R³ is C₁₋₁₀ alkyl or aromatic cyclic group, (C₇-C₈)_n includes at least one single bond or at least one double bond, n is an integer having a value of 0 to 10, and Y is selected from the group consisting of NH, NR³, O, and S. ~~with said symptom an effective amount of a compound as claimed in claim 1.~~